

Breakout Sessions on Curricula Development/Center Support

Ranked Curricula Needs

- **Course work addressing current and upcoming problems and issues**
- **HEC site involvement?**
- **Just how bad are we losing?**
 - Role models are multi-billionaire College Dropouts, if we have 5 more examples of this, we may lose an entire generation
 - Many of the top CS talent are dressed in black T-shirts wondering around Gamer Conferences. (many males/shifting CS diversity, more females, more foreign nationals)
 - They HATE open source
 - We are losing them before High School end.
 - Should we engage this talent, how, access to iron, access to physics packages, contests ?
 - Research is easier off shore, if research leaves, why would people come to US universities?

Ranked Other Center Needs

- **Data to study (addressed before in data availability section of workshop)**
- **Large testbed environments and simulation environments to be used for research**
 - DOE Incite, NSF infra, Lab buddy, SciDAC2 I/O projects
- **Funding, what kinds?**
- **HEC Site involvement, what kinds?**

Brainstorming Ideas

- **Separate research storage related program at NSF.**
- **Visible Reputation (Sexy Name)**
 - Awards, Recognition, Etc
- **Fully exploit educational funding opportunities.**
- **Grand Challenge**
- **Tell Us “Why This Matters!”**
 - Return on Investment: How do people, students, folk understand what they are getting for their investment
 - High profile speakers in storage (That don’t Exist)
 - Bob Muglia
 - Industry speakers in Education (NOVA)
- **Internships for undergraduates (as an example: SULI)**
- **Engage the Other Discipline (MIS, Business, CE, EE, etc) plumbers**
- **Crossover/Conversion/Re-training Programs**
- **Representation at Job Fairs**
- **ACM K-12 Program**
- **Clear Quantitative Target, use Roadmaps as Motivators**
- **More ACM Queue Articles**
 - How It works – exploded view, blinkin lights
 - Programming Contests
- **Top 10 Open problem in storage**
- **Lobby Industry Leaders to Lobby Funding Sources/Agencies**